

AMENDMENTS TO CLAIMS

Please amend the claims as follows (*wherein additions are shown by underlining and deletions are shown by strikethrough*):

1. (Currently amended): A system for providing notifications of computer system events to clients, comprising, a central service configured to monitor for system events including at least one system event corresponding to whether network connectivity has changed state and to fire at least one event notification in response thereto, including at least one event notification when a network connection is established, a registration mechanism for clients to register for notification of one or more types of events, including at least one client registered for network connectivity event notification, and a distribution mechanism that communicates the fired at least one event notification to each client registered for notification thereof based on the type of event notification, wherein the client registers for notification for a type of event with the registration mechanism and includes condition information therewith, the condition information specifying at least one further condition that is met before notification of an event of the type registered is communicated to the client, and the distribution mechanism includes a filtering mechanism for selectively communicating an event notification based on at least one condition.

2. (Previously presented): The system of claim 1 wherein the registration mechanism and distribution mechanism are incorporated in a loosely coupled events database including an event class object, and wherein the central service is a publisher and each client is a subscriber.

3. (Original): The system of claim 1 wherein the notification includes activating, starting or running a program or script.
4. (Cancelled)
5. (Previously presented): The system of claim 3 wherein the registration mechanism and distribution mechanism are incorporated in a loosely coupled events database including an event class object.
- 01 6. (Original): The system of claim 1 wherein the central service receives at least some of the system events from an operating system.
7. (Original): The system of claim 1 wherein the system event includes information related to the power state of the machine.
8. (Original): The system of claim 1 wherein the system event includes information related to the logon state of the machine.
9. (Original): The system of claim 1 wherein the central service receives system event information related to a network. *a* *S*
- 10-14. (Cancelled)

15-22. (Withdrawn)

23. (Previously presented): A computer-readable medium having computer-executable instructions for performing steps comprising:

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- a) receiving system information at a central service;
 - b) publishing an event notification in response thereto, the event notification having an event type associated therewith;
 - c) receiving the event notification at an event class object of a loosely coupled events database;
 - d) matching the event notification with at least one client that has subscribed for event notification based on the type of event; and
 - e) communicating the event notification via the event class object to each client that has subscribed therefor.

24. (Original): The computer-readable medium of claim 23 having further computer-executable instructions for performing the step of, filtering event notifications by selectively communicating event notifications based on at least one condition.

25. (Original): The computer-readable medium of claim 23 wherein the central service receives the system information as system events from an operating system.

26. (Previously presented): The computer-readable medium of claim 23 wherein the system information includes information related to a network state.

27. (Original): The computer-readable medium of claim 26 wherein the network is a wide area network, and wherein the step of receiving system information at a central service comprises the step of receiving remote access services events.

28. (Original): The computer-readable medium of claim 26 wherein the network is a local area network, and having further computer-executable instructions for performing the step of caching network information corresponding to activity on the local area network.

29. (Original): The computer-readable medium of claim 28 having further computer-executable instructions for performing the step of evaluating cached network information to determine the state of network connectivity.

30. (Original): The computer-readable medium of claim 29 wherein the central service publishes an event when the state of network connectivity has changed from a previous value thereof.

31-43. (Withdrawn)

44. (Currently amended): A system for providing notifications of computer system events to clients, comprising:

a registration mechanism for clients to register for notification of one or more types of events, including at least one client registered for network connectivity event notification;

~~a distribution mechanism that communicates the at least one fired event notification to each client registered for notification thereof based on the type of event notification; and~~

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a central service configured to monitor for system events including at least one system event corresponding to whether network connectivity has changed state and to fire at least one event notification in response thereto, including at least one event notification when a network connection is established, the central service including a plurality of time-based caches for caching network information and a mechanism for evaluating differences between at least two of the caches to determine a connectivity state of a network; and

a distribution mechanism that communicates the at least one fired event notification to each client registered for notification thereof based on the type of event.

45. (Previously presented): The system of claim 44 wherein the time-based caches maintain counts corresponding to network activity.

46. (Currently amended): The system of claim 45 wherein the ~~time-based~~ counts corresponding to network activity include counts of incoming packets, outgoing packets, incoming errors and outgoing errors.

47. (Previously presented): The system of claim 46 wherein the mechanism for evaluating the caches determines that the connectivity state of the network is true if the incoming packet counts have increased based on at least one difference in the packet counts between at least two of the caches.

48. (New): A system for providing notifications of computer system events to clients, comprising:

a central service configured to monitor for system events and to fire at least one event notification in response thereto;

a registration mechanism for clients to register for notification of one or more types of events, wherein at least one client registers for notification of any events of a type and indicates one or more additional conditions that further limit when the at least one client is notified of any events of the type; and


a distribution mechanism that communicates a fired event notification to each client registered for notification thereof provided that if a client has indicated that one or more additional conditions further limit when the client is notified of any events of the type, that the distribution mechanism communicates the fired event notification to the client only if the one or more additional conditions are also satisfied.

49. (New): The system of claim 48, wherein the one or more additional conditions comprises a condition that causes notifications of events of the type to be sent to the client only when the client is executing.

50. (New): The system of claim 48, wherein the condition comprises activating the at least one client when any events of the type occur, wherein the at least one client is sleeping or not executing when an event of the type occurs.

51. (New): The system of claim 48, wherein the condition comprises a condition that causes notifications of events of the type to be sent to the client until the client is removed from the system.

52. (New): A system for providing notifications of computer system events to clients, comprising:

 a registration mechanism for clients to register for notification of one or more types of events;

a central service configured to monitor for system events and to fire at least one event notification in response thereto, the central service including a plurality of time-based caches for caching network information and a mechanism for evaluating differences between at least two of the caches to determine a connectivity state of a network; and


a distribution mechanism that communicates the at least one fired event notification to each client registered for notification thereof based on the type of event.

53. (New): The system of claim 52, wherein at least one client registers for notification of changes in network connectivity and wherein the central service fires an event notification notifying the at least one client when the connectivity state of the network changes.

54. (New): A computer-readable medium having computer-executable instructions, comprising:

receiving system information at a central service;

generating an event notification based on the information;

 determining a client to send the event notification to based on a filter, the client having previously subscribed to the event notification, the client indicating further conditions other than the filter for receiving the event notification, the filter matching events to subscribers; and

if the filter matches the event notification to the client, sending the event to the client only if the further conditions have also been met.

55. (New): The computer-readable medium of claim 54, wherein the event notification relates to battery charge, and wherein the further conditions indicate that the client is only notified if the battery charge decreases below a selected percentage.

56. (New): The computer-readable medium of claim 54, wherein the further conditions comprise that the client be currently executing to receive the event notification.

57. (New): The computer-readable medium of claim 54, wherein the further conditions comprise that the client be activated when the event notification is generated.

58. (New): The computer-readable medium of claim 54, wherein the event notification is generated when a specified destination is reachable within specified Quality of Connection parameters.
